

Abstract

The present invention relates to full-length WF-HABP, WF-HABP, OE-HABP, and BM-HABP, novel members of the hyaluronan receptor family. The invention provides isolated nucleic acid molecules encoding human to full-length WF-HABP, WF-HABP, OE-HABP, and BM-HABP receptors. Full-length WF-HABP, WF-HABP, OE-HABP, and BM-HABP polypeptides are also provided, as are vectors, host cells and recombinant methods for producing the same. The invention further relates to screening methods for identifying agonists and antagonists of full-length WF-HABP, WF-HABP, OE-HABP, and BM-HABP receptor activity. Also provided are diagnostic methods for detecting disease states related to the aberrant expression of full-length WF-HABP, WF-HABP, OE-HABP, and BM-HABP receptors. Further provided are therapeutic methods for treating disease states including, but not limited to, proliferative conditions, metastasis, inflammation, ischemia, host defense dysfunction, immune surveillance dysfunction, arthritis, multiple sclerosis, autoimmunity, immune dysfunction, and allergy.